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Product datasheet for TP720264M

HPRT (HPRT1) (NM_000194) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hypoxanthine phosphoribosyltransferase 1 (HPRT1)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Ala218
Tag:	N-His
Predicted MW:	27.8 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per μg protein as determined by LAL test
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000185
Locus ID:	3251
UniProt ID:	P00492, A0A140VJL3
Cytogenetics:	Xq26.2-q26.3
Synonyms:	HGPRT; HPRT
Summary:	The protein encoded by this gene is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 1-pyrophosphate. This enzyme plays a central role in the generation of purine nucleotides through the purine salvage pathway. Mutations in this gene result in Lesch-Nyhan syndrome or gout.[provided by RefSeq, Jun 2009]
Protein Families:	Druggable Genome, Stem cell - Pluripotency

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Protein Pathways: Drug metabolism - other enzymes, Metabolic pathways, Purine metabolism

Product images: